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614.1
N483s
1938

SUMMARY OF VITAL STATISTICS

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OCT 30 1939
UNIVERSITY OF ILLINOIS

DEPARTMENT OF HEALTH, CITY OF NEW YORK

BUREAU OF RECORDS—STATISTICAL DIVISION

Population, Births, Marriages, Deaths and Infant Mortality, 1898–1938

Year	Estimated Population July 1st Each Year	Births* Total Reported	Births* Rate per 1,000	Marriages Total Reported	Marriages Rate per 1,000	Deaths Total Reported	Deaths Rate per 1,000	Fetal Deaths Total Reported	Fetal Deaths Ratio to 1,000 Live Births	Infant Mortality Deaths Under One Year	Infant Mortality Rate per 1,000 Births
1898....	3,272,418	119,000	36.4	28,885	8.8	66,294	20.3	5,638	47.4	16,770	140.9
1899....	3,356,722	116,000	34.6	30,474	9.1	65,343	19.5	5,463	47.1	15,381	132.6
1900....	3,446,042	123,000	35.7	32,247	9.4	70,872	20.6	5,815	47.3	16,640	135.3
1901....	3,554,079	122,000	34.3	33,447	9.4	70,720	19.9	5,750	47.1	15,467	126.8
1902....	3,665,825	127,000	34.6	36,207	9.9	68,085	18.6	6,011	47.3	15,526	122.3
1903....	3,781,423	129,000	34.1	38,174	10.1	67,864	17.9	6,078	47.1	14,413	111.7
1904....	3,901,023	133,000	34.1	39,436	10.1	78,060	20.0	6,288	47.3	16,125	121.2
1905....	4,025,742	135,000	33.5	42,675	10.6	73,714	18.3	6,352	47.1	16,522	122.4
1906....	4,166,566	141,000	33.8	48,355	11.6	76,203	18.3	6,646	47.1	17,188	121.9
1907....	4,314,237	149,000	34.5	51,097	11.8	79,205	18.4	7,351	49.3	17,437	117.0
1908....	4,469,248	146,000	32.7	37,449	8.4	73,072	16.3	7,191	49.3	16,231	111.2
1909....	4,632,078	142,000	30.7	41,513	9.0	74,105	16.0	6,697	47.2	15,976	112.5
1910....	4,785,190	143,000	29.9	46,417	9.7	76,742	16.0	6,751	47.2	16,215	113.4
1911....	4,873,069	141,000	28.9	48,765	10.0	75,423	15.5	6,673	47.3	15,053	106.8
1912....	4,960,948	140,000	28.2	51,703	10.4	73,008	14.7	6,619	47.3	14,289	102.1
1913....	5,048,827	140,000	27.7	51,268	10.2	73,902	14.6	6,629	47.4	13,780	98.4
1914....	5,136,706	140,647	27.4	53,051	10.3	74,803	14.6	6,617	47.0	13,312	94.6
1915....	5,224,585	141,256	27.0	50,997	9.8	76,193	14.6	6,413	45.4	13,866	98.2
1916....	5,312,464	137,664	25.9	54,782	10.3	77,801	14.6	6,253	45.4	12,818	93.1
1917....	5,400,343	141,564	26.2	59,210	11.0	78,575	14.6	6,117	43.2	12,568	88.8
1918....	5,488,222	138,046	25.2	56,733	10.3	98,119	17.9	6,793	49.2	12,657	91.7
1919....	5,576,101	130,377	23.4	60,256	10.8	74,433	13.3	5,984	45.9	10,639	81.6
1920....	5,683,765	132,856	23.4	64,422	11.3	73,249	12.9	6,234	46.9	11,340	85.4
1921....	5,811,549	134,241	23.1	60,846	10.5	64,257	11.1	6,297	46.9	9,548	71.1
1922....	5,939,333	129,684	21.8	58,192	9.8	69,690	11.7	6,125	47.2	9,666	74.5
1923....	6,067,117	129,160	21.3	66,430	10.9	69,452	11.4	6,023	46.6	8,578	66.4
1924....	6,195,251	130,436	21.1	62,254	10.0	71,252	11.5	6,448	49.4	8,820	67.6
1925....	6,323,035	128,790	20.4	64,826	10.3	71,864	11.4	6,134	47.6	8,315	64.6
1926....	6,450,819	125,515	19.5	68,417	10.6	76,082	11.8	6,054	48.2	8,509	67.8
1927....	6,578,603	128,889	19.6	66,431	10.1	70,430	10.7	5,895	45.7	7,210	55.9
1928....	6,706,737	126,332	18.8	62,424	9.3	78,091	11.6	6,121	48.5	8,280	65.5
1929....	6,834,521	124,404	18.2	65,780	9.6	77,482	11.3	5,726	46.0	7,281	58.5
1930....	6,954,712	122,811	17.7	63,337	9.1	74,888	10.8	5,700	46.4	7,030	57.2
1931....	7,033,193	115,621	16.4	61,574	8.8	77,418	11.0	5,579	48.3	6,427	55.6
1932....	7,099,304	109,878	15.5	58,957	8.3	74,319	10.5	5,396	49.1	5,594	50.9
1933....	7,160,434	103,500	14.5	60,116	8.4	75,153	10.5	5,347	51.7	5,508	53.2
1934....	7,226,164	101,239	14.0	67,347	9.3	75,857	10.5	5,070	50.1	5,287	52.2
1935....	7,294,894	100,657	13.8	68,372	9.4	75,057	10.3	4,902	48.7	4,790	47.6
1936....	7,363,624	98,507	13.4	72,234	9.8	77,638	10.5	4,992	50.7	4,490	45.6
1937....	7,434,346	101,988	13.7	69,417	9.3	77,465	10.4	4,847	47.5	4,457	43.7
1938....	7,491,790	102,045	13.6	63,493	8.5	73,775	9.8	4,995	48.9	3,910	38.3

* 1898–1913 birth figures are estimated, as the number actually reported was undoubtedly low.

Births, Deaths, Maternal Deaths and Fetal Deaths as Reported*—1938

	Estimated Population July 1st, 1938	Births Total Reported	Births Rate per 1,000	Deaths Total Reported	Deaths Rate per 1,000	Maternal Deaths Total Reported	Maternal Deaths per 1,000 Total Births†	Fetal Deaths Total Reported	Fetal Deaths Ratio to 1,000 Live Births
Manhattan	1,688,769	33,147	19.6	26,221	15.5	117	3.4	1,775	53.5
The Bronx	1,493,686	14,709	9.8	11,357	7.6	48	3.1	629	42.8
Brooklyn	2,792,600	40,335	14.4	25,140	9.0	135	3.2	1,995	49.5
Queens	1,340,476	11,444	8.5	8,749	6.5	48	4.0	498	43.5
Richmond	176,259	2,410	13.7	2,308	13.1	9	3.6	98	40.7
City of New York	7,491,790	102,045	13.6	73,775	9.8	357	3.3	4,995	48.9

* Tabulation of births, deaths and still births, by borough of residence, on next page.

† Live births and fetal deaths.

Births, Fetal Deaths, and Deaths, by Borough of Residence—1938

	N. Y. City	Manhattan	The Bronx	Brooklyn	Queens	Richmond
Live Births	102,045	24,293	18,941	38,627	17,726	2,458
Rate per 1,000 Population	13.6	14.4	12.7	13.8	13.2	13.9
Fetal Deaths †	4,995	1,407	828	1,924	734	102
Rate per 1,000 Total Births	48.9	57.9	43.7	49.8	41.4	41.5
Deaths Under One Year	3,910	1,029	648	1,480	649	104
Rate per 1,000 Live Births	38.3	42.4	34.2	38.3	36.6	42.3
Deaths Under One Month	2,524	625	439	943	451	66
Rate per 1,000 Live Births	24.7	25.7	23.2	24.4	25.4	26.9
Deaths of Non-Residents	2,258	1,332	397	232	247	50
Total Deaths	73,775	23,269	11,983	25,492	11,266	1,765
Death Rate per 1,000 Population	9.8	13.8	8.0	9.1	8.4	10.0
1 Typhoid Fever	26	7	1	12	5	1
2. Typhus Fever	.....	.....	.....	.....	.....	.....
4. Measles	42	10	2	19	10	1
5. Scarlet Fever	17	4	4	5	3	1
6. Whooping Cough	105	27	12	51	10	5
7. Diphtheria	26	8	5	8	4	1
8. Influenza	162	37	19	67	32	7
10. Pulmonary Tuberculosis	3,481	1,586	483	963	396	53
11. Other Tuberculosis	352	155	39	111	44	3
(a) Tuberculous Meningitis	119	53	12	42	10	2
12. Syphilis	832	373	90	264	85	20
13. Malaria	37	26	2	7	2	.....
14. Other Infectious Diseases	238	77	32	77	44	8
(a) Poliomyelitis	4	2	1	.....	.....	1
(b) Epidemic Encephalitis	31	8	3	12	6	2
(c) Epidemic Meningitis	53	13	4	21	11	4
15. Cancer	11,160	3,462	2,077	3,602	1,753	266
16. Non-Malignant Tumors	541	211	71	172	76	11
17. Chronic Rheumatism, Gout	50	11	12	19	7	1
18. Diabetes	2,650	665	452	1,067	406	60
19. Alcoholism	316	196	19	77	19	5
20. Other Gen. Dis. & Chronic Poisons	1,122	321	215	386	178	22
21. Locomotor Ataxia and General Paresis of the Insane	204	71	15	86	29	3
22. Cerebral Hemorrhage, etc	3,673	1,143	611	1,240	556	123
23. Other Diseases of Nervous System and Organs of Sense	768	239	110	273	123	23
24. Diseases of the Heart	23,983	7,003	4,032	8,745	3,676	527
25. Other Diseases of Circulatory System	1,244	358	159	504	173	50
(a) Arterio Sclerosis	913	235	111	426	104	37
26. Bronchitis	132	42	21	48	17	4
27. The Pneumonias	4,737	1,531	729	1,661	707	109
(a) Broncho Pneumonia	2,257	657	353	858	336	53
(b) Lobar Pneumonia	2,458	867	376	796	364	55
28. Other Respiratory Diseases	366	127	65	111	54	9
29. Diarrhea and Enteritis	466	168	64	157	67	10
(a) Diarrhea Under 2 Years	369	131	53	120	55	10
30. Appendicitis	825	201	153	291	166	14
31. Diseases of Liver and Biliary Passages	1,507	518	220	481	257	31
32. Other Digestive Diseases	1,574	501	255	502	275	41
33. Nephritis, All Forms	3,589	965	516	1,358	633	117
34. Other Dis. of Genito-urinary System	1,066	327	184	377	154	24
35. Puerperal Septicemia*	111	27	20	40	23	1
36. Other Puerperal Diseases	246	64	37	87	48	10
37. Diseases of Skin and Bones	152	55	24	51	18	4
38. Diseases of Early Infancy	2,551	634	436	946	463	72
39. Old Age	19	4	11	2	1	1
40. Suicide	1,246	503	197	340	188	18
41. Homicide	309	157	36	93	18	5
42. Other Violence	3,832	1,454	552	1,186	537	103
(a) Sunstroke	11	3	1	5	.....	2
(b) Auto Accidents	908	310	145	275	164	14
(c) Other Accidents	2,913	1,141	406	906	373	87
43. Unknown and Ill Defined	18	1	1	6	9	1

* Includes Causes 140 and 145 of Detailed International List. Reports other than this include 145 only.
† Still births and reported abortions.

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Population By Age, Sex, Nativity, and Color

Federal Census, April 1, 1930

Age (In Years)	Total Persons	Total Per Cent of Total	Total Males	Total Females	By Color and Nativity: Native White	Foreign-Born White	Negro	Other Races	DEATHS, 1938 By Age and Color: Total	White	Negro	Other Colored
All Ages	6,930,446	100.00	3,472,956	3,457,490	4,293,825	2,293,400	327,706	15,515	73,775	68,003	5,554	218
Under 5	535,600	7.73	272,438	263,162	502,296	5,550	26,920	834	4,891	4,247	632	12
5–9	577,284	8.34	291,782	285,502	530,430	21,831	24,365	658	565	494	71	...
10–14	575,300	8.31	290,263	285,037	531,011	25,251	18,662	376	527	456	69	2
15–19	599,286	8.65	293,740	305,546	510,331	67,303	21,120	532	815	656	155	4
20–24	687,417	9.93	327,734	359,683	485,038	162,260	38,658	1,461	1,224	956	262	6
25–29	695,984	10.05	341,448	354,536	393,467	251,242	48,661	2,614	1,719	1,358	351	10
30–34	649,576	9.38	327,685	321,891	329,570	276,817	40,533	2,656	2,033	1,629	395	9
35–39	621,248	8.97	319,859	301,389	272,916	309,213	36,924	2,195	2,834	2,329	490	15
40–44	518,588	7.49	272,868	245,720	199,373	291,971	25,515	1,729	3,895	3,346	524	25
45–49	422,063	6.10	219,600	202,463	151,837	250,151	19,057	1,018	5,245	4,703	520	22
50–54	340,807	4.92	175,346	165,461	126,092	202,123	11,922	670	6,697	6,124	536	37
55–59	246,277	3.56	123,128	123,149	93,256	146,295	6,365	361	7,122	6,677	414	31
60–64	190,527	2.75	92,494	98,033	69,444	117,119	3,767	197	8,273	7,916	339	18
65–69	127,356	1.84	60,451	66,905	45,147	79,781	2,331	97	8,580	8,273	298	9
70–74	77,327	1.12	35,866	41,461	28,853	47,201	1,236	37	7,737	7,513	217	7
75–79	36,629	.53	16,239	20,390	13,326	22,612	680	11	5,996	5,836	152	8
80–84	15,746	.23	6,286	9,460	5,262	10,176	304	4	3,475	3,395	78	2
85–89	5,589	.08	2,087	3,502	1,829	3,625	133	2	1,584	1,550	33	1
90–94	1,475	.02	498	977	425	1,007	43	....	450	440	10	...
95–99	311	(a)	104	207	69	226	14	2	90	87	3	...
100 and over	69	(a)	29	40	7	52	10	....	23	18	5	...
Unknown	5,986	....	3,011	2,975	3,846	1,594	485	61	.....	.....	.....	...

(a) Less than .005%. Percentages based on 6,924,460 of known ages.

Cases of Reportable Infectious Diseases—City of New York

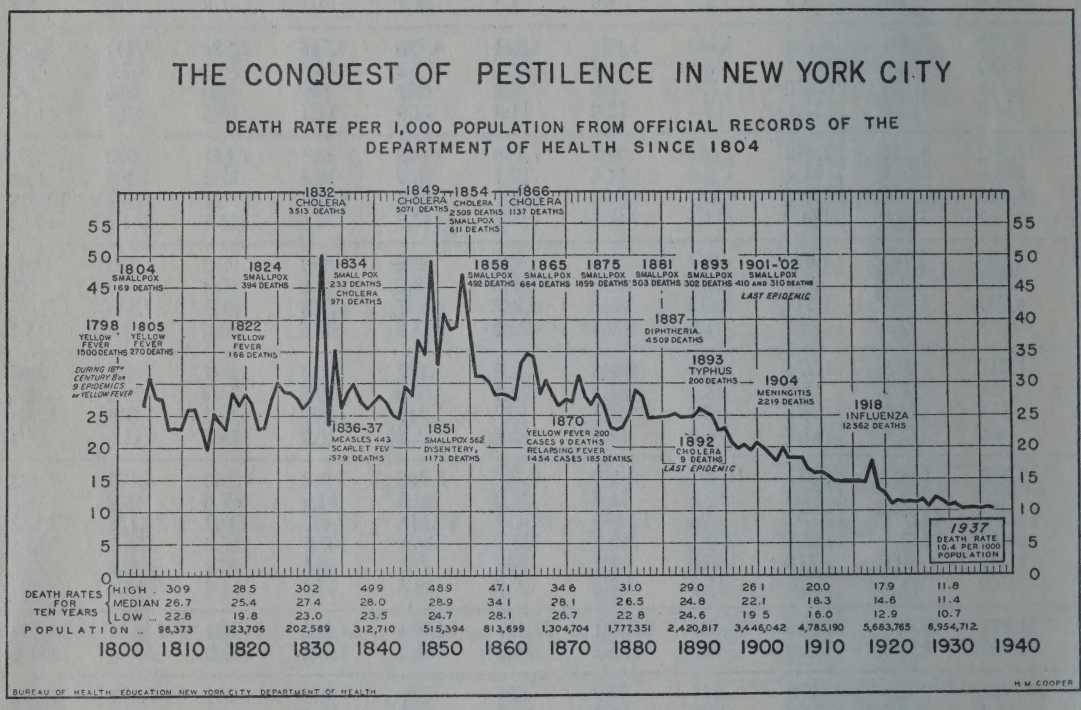
Yea	Pulmonary Tuberculosis	Diphtheria	Measles	Scarlet Fever	Chickenpox	Typhoid Fever	Whooping Cough	Epidemic Meningitis	Poliomyelitis	Syphilis	Gonorrhea	Influenza	Pneumonia	Epidemic Encephalitis
1900	11,997	12,913	19,298	6,683	1,226	2,658	174	7						
1901	13,703	12,329	11,990	16,692	2,437	2,748	113	13						
1902	12,914	15,319	20,251	11,894	3,269	3,871	313	10						
1903	15,214	18,317	13,689	10,887	4,181	3,671	1,066	20						
1904	18,723	18,158	32,861	13,495	4,263	3,412	1,016	482						
1905	20,831	13,686	19,026	8,071	5,473	4,326	2,637	2,755						
1906	20,085	14,757	38,653	7,881	4,467	3,467	2,177	1,032						
1907	19,725	15,276	16,637	15,788	4,308	4,426	1,920	828						
1908	23,325	16,431	38,276	24,426	5,928	3,058	1,182	380						
1909	25,667	15,097	31,950	12,475	6,765	3,499	2,752	346						
1910	32,065	16,940	35,374	18,924	5,534	3,582	2,018	242						
1911	24,513	13,485	25,540	15,794	6,758	3,450	3,210	266	358					
1912	22,752	13,533	39,018	12,716	7,649	3,076	2,132	250	504					
1913	22,674	14,845	29,350	10,739	6,897	2,643	3,529	232	310	10,623	7,440			
1914	21,604	17,129	25,793	11,105	9,632	2,260	3,798	318	129	21,128	9,526			
1915	22,141	15,279	38,186	9,879	8,721	2,455	6,771	174	95	17,335	9,709			
1916	19,297	13,521	21,603	5,814	9,617	1,617	7,460	263	9,023	20,128	6,341			
1917	17,494	12,624	27,519	6,260	7,864	1,442	5,597	322	139	19,833	8,312			
1918	14,439	11,454	28,675	4,460	4,196	1,238	5,558	477	134	17,320	6,538			
1919	14,570	14,014	8,194	4,594	5,326	854	1,658	317	42	19,241	5,677	25,218	10,325	118
1920	14,035	14,166	35,083	6,537	5,534	969	7,530	244	154	19,440	4,535	69,824	25,983	573
1921	12,966	15,110	7,738	13,516	8,041	899	5,808	279	588	14,096	5,287	2,486	14,143	528
1922	13,329	10,427	40,569	10,269	5,738	790	4,799	218	224	13,199	5,599	21,042	19,121	611
1923	11,336	8,050	13,999	8,237	8,671	890	4,484	133	577	16,879	6,817	16,061	15,952	923
1924	11,924	9,687	33,561	8,399	8,260	1,687	8,244	156	344	16,402	6,137	1,753	18,594	465
1925	10,955	9,051	9,483	8,840	7,546	1,417	4,826	120	307	15,630	5,466	1,745	15,651	327
1926	10,498	7,531	39,750	7,968	6,757	913	3,487	170	111	17,700	4,728	5,911	22,661	297
1927	10,873	13,507	2,101	18,339	9,444	762	6,052	177	537	24,324	7,006	2,048	18,273	232
1928	11,614	10,776	35,008	10,586	7,082	671	5,876	1,102	572	25,034	7,431	2,878	21,079	193
1929	11,938	8,548	2,537	7,952	9,264	586	2,944	1,000	71	28,772	8,840	11,121	21,132	173
1930	11,821	3,794	23,635	7,592	7,901	497	4,538	503	78	32,219	9,737	1,010	17,081	100
1931	11,794	3,999	26,519	11,900	9,113	603	8,643	392	4,138	34,894	9,745	4,498	21,116	97
1932	10,589	3,581	10,354	21,093	8,862	560	7,126	207	143	42,315	11,640	3,418	17,835	57
1933	9,991	1,891	36,216	8,262	11,966	557	6,009	114	831	42,242	11,164	2,617	16,972	86
1934	9,990	1,593	5,015	8,820	12,177	332	8,764	102	73	46,276	10,953	899	14,489	51
1935	8,796	1,189	28,490	14,602	10,866	314	8,703	529	2,054	47,659	11,069	622	13,185	69
1936	8,987	1 124	36,548	11,417	8,324	305	4,461	538	34	68,969	14,445	1,396	15,786	37
1937	9,128	1,184	12,091	10,058	12,723	268	4,653	228	243	88,101	17,872	4,181	16,393	55
1938	8,748	700	34,604	8,419	11,112	268	12,232	112	43	37,077*	12,935	447	12,969	38

* Figures prior to 1938 were based on positive laboratory findings and included much duplication. Beginning with 1938 duplicates have, as far as possible, been omitted.

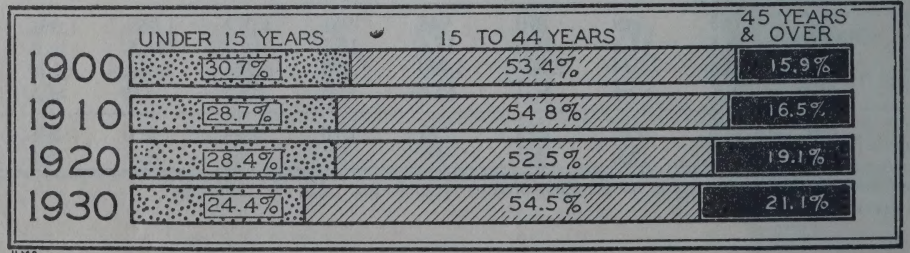
SPECIFIC DEATH RATES, NEW YORK CITY, 1900-1930, INCLUSIVE

Age	1901-'02-'03 Males	1901-'02-'03 Females	1909-'10-'11 Males	1909-'10-'11 Females	1919-'20* Males	1919-'20* Females	1929-'30-'31 Males	1929-'30-'31 Females
0–4	60.3	52.6	50.2	43.2	32.4	26.5	19.4	15.4
5–9	5.8	5.2	4.2	3.9	3.8	3.1	2.5	2.0
10–14	2.8	2.8	2.4	2.3	2.4	2.2	1.7	1.3
15–19	4.8	4.1	3.9	3.1	4.0	3.7	2.6	2.2
20–24	7.3	6.0	5.3	4.6	5.8	5.4	3.4	3.2
25–29	9.5	8.2	6.9	5.9	6.5	6.9	3.8	3.4
30–34	12.6	9.8	9.6	7.6	7.7	7.0	5.1	4.1
35–39	15.1	11.6	13.0	9.3	9.2	7.3	7.0	5.0
40–44	19.0	13.2	16.5	11.2	10.9	9.0	10.1	6.9
45–49	22.0	15.0	20.8	14.3	15.2	12.1	14.8	10.5
50–54	29.2	22.8	26.5	19.1	20.6	16.3	22.0	15.0
55–59	38.8	31.4	37.0	28.8	30.1	24.8	32.0	23.4
60–64	51.4	43.8	51.4	44.1	40.8	33.8	44.7	35.3
65–69	69.9	60.5	68.5	58.9	60.1	55.0	62.0	50.2
70–74	95.8	85.2	89.6	81.2	85.1	79.5	84.3	73.3
75–79	141.0	119.3	127.3	114.4	116.2	107.6	120.7	109.2
80–84	175.9	157.9	167.4	159.6	162.6	143.6	170.9	151.2
85 & Over	252.3	223.0	257.4	232.3	224.8	210.2	242.8	227.5

* As Census date is the midpoint of the period presented, only two years are used for 1919-'20 calculation, the Census having been made on Jan. 1, 1920.


THE CONQUEST OF PESTILENCE IN NEW YORK CITY
DEATH RATE PER 1,000 POPULATION FROM OFFICIAL RECORDS OF THE DEPARTMENT OF HEALTH SINCE 1804
1798 YELLOW FEVER 1500 DEATHS
DURING 18TH CENTURY 8 OR 9 EPIDEMICS OF YELLOW FEVER
1804 SMALLPOX 169 DEATHS
1805 YELLOW FEVER 270 DEATHS
1822 YELLOW FEVER 166 DEATHS
1824 SMALLPOX 394 DEATHS
1832 CHOLERA 3513 DEATHS
1834 SMALL POX 233 DEATHS CHOLERA 971 DEATHS
1836-37 MEASLES 443 SCARLET FEV 579 DEATHS
1849 CHOLERA 5071 DEATHS
1851 SMALLPOX 562 DISENTERY, 1173 DEATHS
1854 CHOLERA 2509 DEATHS SMALLPOX 611 DEATHS
1858 SMALLPOX 492 DEATHS
1865 SMALLPOX 664 DEATHS
1866 CHOLERA 1137 DEATHS
1870 YELLOW FEVER 200 CASES 9 DEATHS RELAPSING FEVER 1434 CASES 185 DEATHS
1875 SMALLPOX 1899 DEATHS
1881 SMALLPOX 503 DEATHS
1887 DIPHTHERIA 4509 DEATHS
1892 CHOLERA 9 DEATHS LAST EPIDEMIC
1893 SMALLPOX 302 DEATHS
1893 TYPHUS 200 DEATHS
1901-'02 SMALLPOX 410 AND 310 DEATHS LAST EPIDEMIC
1904 MENINGITIS 2219 DEATHS
1918 INFLUENZA 12,562 DEATHS
1937 DEATH RATE 10.4 PER 1000 POPULATION
DEATH RATES FOR TEN YEARS
HIGH 30.9 28.5 30.2 49.9 48.9 47.1 34.6 31.0 29.0 26.1 20.0 17.9 11.8
MEDIAN 26.7 25.4 27.4 28.0 28.9 34.1 28.1 26.5 24.8 22.1 18.3 14.6 11.4
LOW 22.8 19.8 23.0 23.5 24.7 28.1 26.7 22.8 24.6 19.5 16.0 12.9 10.7
POPULATION 96,373 123,706 202,589 312,710 515,394 813,699 1,304,704 1,777,351 2,420,817 3,446,042 4,785,190 5,683,765 6,954,712
1800 1810 1820 1830 1840 1850 1860 1870 1880 1890 1900 1910 1920 1930 1940
BUREAU OF HEALTH EDUCATION NEW YORK CITY DEPARTMENT OF HEALTH
H.M. COOPER

Our Aging Population



CHIEF CAUSES OF DEATH IN CERTAIN AGE GROUPS

BARS INDICATE THE PER CENT EACH CAUSE OF DEATH IS OF TOTAL DEATHS IN THAT GROUP
BASED ON 73,775 DEATHS REPORTED IN NEW YORK CITY DURING 1938.

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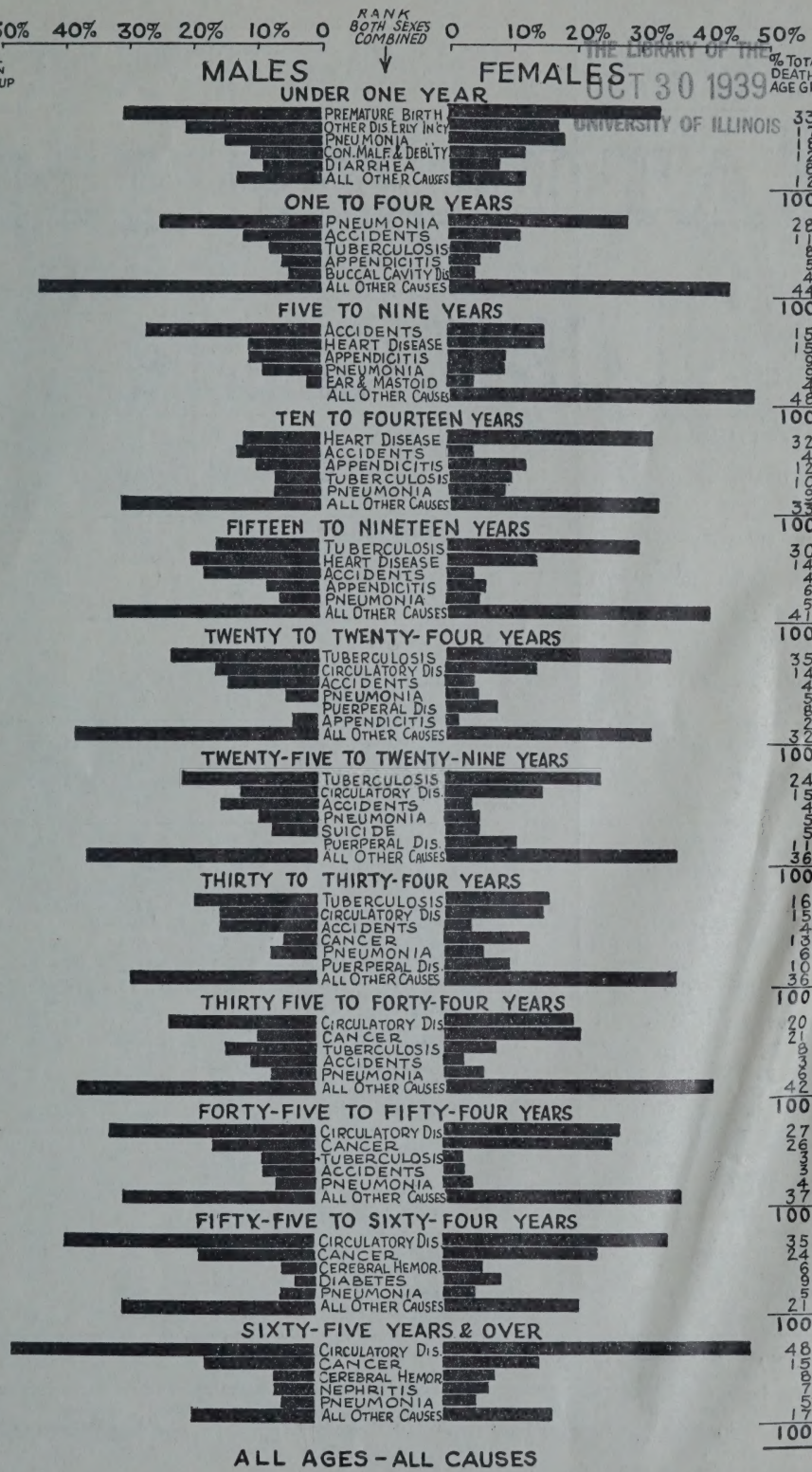

No. of Deaths	% Total Deaths in Age Group		% Total Deaths in Age Group	No of Deaths
UNDER ONE YEAR				
674	31	Premature Birth	33	562
457	21	Other Dis Erly In'cy	17	291
340	15	Pneumonia	18	302
237	11	Con. Malf & Deblty	12	217
194	9	Diarrhea	6	152
284	13	All Other Causes	12	200
2186	100		100	1724
ONE TO FOUR YEARS				
135	25	Pneumonia	28	124
64	12	Accidents	11	48
43	8	Tuberculosis	8	38
33	6	Appendicitis	5	23
26	5	Buccal Cavity Dis	4	17
235	44	All Other Causes	44	195
536	100		100	445
FIVE TO NINE YEARS				
82	27	Accidents	15	40
32	11	Heart Disease	15	40
31	11	Appendicitis	9	25
26	9	Pneumonia	9	25
6	2	Ear & Mastoid	4	11
118	40	All Other Causes	48	129
295	100		100	270
TEN TO FOURTEEN YEARS				
62	22	Heart Disease	32	79
66	23	Accidents	4	10
29	10	Appendicitis	12	28
19	7	Tuberculosis	10	24
20	7	Pneumonia	9	21
88	31	All Other Causes	33	81
284	100		100	243
FIFTEEN TO NINETEEN YEARS				
67	16	Tuberculosis	30	115
84	20	Heart Disease	14	52
79	18	Accidents	4	16
34	8	Appendicitis	6	24
27	6	Pneumonia	5	20
140	32	All Other Causes	41	157
431	100		100	384
TWENTY TO TWENTY-FOUR YEARS				
134	23	Tuberculosis	35	226
91	16	Circulatory Dis	14	90
83	14	Accidents	4	25
31	5	Pneumonia	5	34
–	–	Puerperal Dis	8	49
25	4	Appendicitis	2	12
221	38	All Other Causes	32	203
585	100		100	639
TWENTY-FIVE TO TWENTY-NINE YEARS				
180	21	Tuberculosis	24	203
104	12	Circulatory Dis.	15	133
130	15	Accidents	4	35
73	9	Pneumonia	5	44
58	7	Suicide	5	47
–	–	Puerperal Dis.	11	94
309	36	All Other Causes	36	309
854	100		100	865
THIRTY TO THIRTY-FOUR YEARS				
208	19	Tuberculosis	16	146
160	15	Circulatory Dis	15	142
163	15	Accidents	4	39
56	5	Cancer	13	116
78	7	Pneumonia	6	60
–	–	Puerperal Dis.	10	94
432	39	All Other Causes	36	339
1097	100		100	936
THIRTY FIVE TO FORTY-FOUR YEARS				
890	23	Circulatory Dis	20	540
363	9	Cancer	21	579
571	14	Tuberculosis	8	216
416	10	Accidents	3	71
283	7	Pneumonia	6	167
1481	37	All Other Causes	42	1152
4004	100		100	2725
FORTY-FIVE TO FIFTY-FOUR YEARS				
2382	32	Circulatory Dis	27	1239
1153	16	Cancer	26	1173
619	8	Tuberculosis	3	121
547	8	Accidents	3	137
477	6	Pneumonia	4	199
2243	30	All Other Causes	37	1652
7421	100		100	4521
FIFTY-FIVE TO SIXTY-FOUR YEARS				
3520	39	Circulatory Dis	35	2251
1659	18	Cancer	24	1561
441	5	Cerebral Hemor.	6	416
258	3	Diabetes	6	486
454	5	Pneumonia	5	288
2650	30	All Other Causes	21	1356
8982	100		100	6413
SIXTY-FIVE YEARS & OVER				
6413	47	Circulatory Dis	48	6897
2274	17	Cancer	15	2052
853	6	Cerebral Hemor	8	1154
782	6	Nephritis	7	1007
769	6	Pneumonia	5	741
2571	19	All Other Causes	17	2423
13661	100		100	14274
40336		ALL AGES - ALL CAUSES		33439

Year	1909	1910	1911	1912	1913	1914	1915	1916
Population	4,632,078	4,785,190	4,873,069	4,960,948	5,048,827	5,136,706	5,224,585	5,312,464
Total Deaths	74,105	76,742	75,423	73,008	73,902	74,803	76,193	77,801
Death Rate	1,600	1,604	1,548	1,472	1,464	1,456	1,458	1,464
Total deaths under 5 years	24,519	24,268	22,242	20,978	20,711	19,530	20,291	19,967
Rate on estim. pop. under 5 years	4,943	4,787	4,319	4,034	3,952	3,671	3,758	3,664
Deaths under 1 year of age	15,976	16,215	15,053	14,289	13,780	13,312	13,866	12,818
Per 1,000 births	113	113	107	102	98	95	98	93
Measles (7)	997	785	659	671	628	560	630	490
Rate (See Note)	201.0	154.8	128.0	129.0	119.8	105.3	116.7	89.9
Whooping Cough (9)	401	294	384	287	420	279	397	349
Rate (See Note)	80.8	58.0	74.6	55.2	80.2	49.8	73.5	64.0
Scarlet Fever (8)	786	953	741	615	507	452	291	96
Rate (See Note)	41.3	69.4	53.0	43.3	35.1	30.8	19.5	6.3
Diphtheria (10)	1,714	1,715	1,281	1,125	1,333	1,491	1,278	1,031
Rate (See Note)	127.9	124.8	91.6	79.2	92.2	101.6	85.7	68.1
Typhoid Fever (1.2)	564	558	545	499	362	334	332	216
Rate	12.2	11.7	11.2	10.1	7.2	6.5	6.4	4.1
Epidemic Meningitis (18)	326	294	203	196	202	207	119	176
Rate	7.0	6.1	4.2	4.0	4.0	4.0	2.3	3.3
Pulmonary Tuberculosis (23)	8,643	8,692	8,790	8,591	8,601	8,918	8,825	8,411
Rate	186.6	181.7	180.4	173.2	170.4	173.6	168.9	158.3
Other forms Tuberculosis (24-32)	1,268	1,382	1,460	1,390	1,430	1,372	1,424	1,237
Rate	27.4	28.9	30.0	28.0	28.3	26.7	27.3	23.3
Influenza (11)	335	366	486	269	350	336	526	853
Rate	7.2	7.6	10.0	5.4	6.9	6.5	10.1	16.1
Pneumonia (107, 108, 109)	10,164	10,519	10,055	9,979	10,042	9,678	10,922	10,568
Rate	219.4	219.8	206.3	201.2	198.9	188.4	209.1	198.9
Other Respiratory (104-6; 110-4)	2,582	2,515	1,909	1,362	1,350	1,246	1,424	1,440
Rate	55.7	52.6	39.2	27.5	26.7	24.3	27.3	27.1
Cancer (45-53)	3,488	3,710	3,873	4,071	4,223	4,467	4,647	4,701
Rate	75.3	77.5	79.5	82.1	83.6	87.0	88.9	88.5
Diabetes (59)	696	768	739	870	884	979	1,109	1,119
Rate	15.0	16.0	15.8	17.5	17.5	19.1	21.2	21.1
Appendicitis (121)	566	639	633	637	618	710	723	697
Rate	12.2	13.4	13.0	12.8	12.2	13.8	13.8	13.1
Bright's Dis. & Nephritis (130-2)	5,522	5,638	5,017	5,724	5,615	5,617	5,521	6,546
Rate	119.2	117.8	103.0	115.4	111.2	109.4	105.7	123.2
Circulatory Sys. Dis. (90-103)	10,175	10,531	11,611	12,008	12,813	13,469	13,596	14,210
Rate	219.7	220.1	238.3	242.1	253.8	262.2	260.2	267.5
Apoplexy (82A)	896	949	919	1,023	889	1,075	946	804
Rate	19.3	19.8	18.9	20.6	17.6	20.9	18.1	15.1
Total Degenerative Diseases*	16,593	17,118	17,547	18,755	19,317	20,161	20,063	21,560
Rate	358.2	357.8	360.1	378.0	382.6	392.5	384.0	405.8
Suicides (163-171)	890	825	788	802	845	935	958	836
Rate	19.2	17.2	16.2	16.2	16.7	18.2	18.3	15.7
Homicides (172-175)	182	286	281	299	326	299	261	256
Rate	3.9	6.0	5.8	6.0	6.5	5.8	5.0	4.8
Automobile Accidents	90	111	128	188	293	310	346	407
Rate	1.9	2.3	2.6	3.8	5.8	6.0	6.6	7.7
Other Accidents	3,241	3,416	3,986	3,473	3,467	3,441	3,212	3,561
Rate	70.0	71.4	81.8	70.0	68.7	67.0	61.5	67.0
Puerperal diseases (140-150)	719	761	738	676	668	679	710	653
Rate per 1,000 Live Births	5.1	5.3	5.2	4.8	4.8	4.8	5.0	4.7

** In 1917 Horse Drawn Vehicles Included. * Includes Bright's Disease and Nephritis, Diseases of Circulatory System, and

Note:—Rates for Measles and Whooping Cough are per 100,000 under five years; rate for Scarlet Fever and Diphtheria are per

ation, Deaths and Death Rates Per 100,000 Population, City of New York, 1909 to 1938 In

1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
,400,343	5,488,222	5,576,101	5,683,765	5,811,549	5,939,333	6,067,117	6,195,251	6,323,035	6,450,819	6,578,603	6,706,737	6,834,
78,575	98,119	74,433	73,249	64,257	69,690	69,452	71,252	71,864	76,082	70,430	78,091	77,
1,455	1,788	1,335	1,289	1,106	1,173	1,145	1,150	1,137	1,179	1,071	1,164	1,
18,256	21,019	15,744	17,288	13,672	14,847	11,839	12,891	11,442	12,599	9,971	11,760	9,8
3,289	3,767	2,811	3,082	2,441	2,685	2,153	2,335	2,073	2,308	1,820	2,158	1,8
12,568	12,657	10,639	11,340	9,548	9,666	8,578	8,820	8,315	8,509	7,210	8,280	7,2
89	92	82	85	71	75	66	68	65	68	56	66	
560	790	218	736	165	977	245	506	130	706	37	346	
100.9	141.6	38.9	131.2	29.5	176.7	44.5	91.7	23.6	129.3	6.8	63.5	
489	665	161	615	350	268	202	382	307	221	279	347	1
88.1	119.2	28.8	109.6	62.5	48.5	36.7	69.2	55.6	40.5	50.9	63.7	2
120	177	136	220	385	216	107	80	75	77	102	69	
7.8	11.3	8.6	13.7	23.7	13.2	6.5	4.8	4.5	4.6	6.1	4.1	
1,158	1,245	1,239	1,045	891	873	553	714	663	477	717	642	4
75.3	79.8	78.2	64.9	54.9	53.4	33.6	43.1	39.8	28.5	42.7	38.1	2
229	196	121	137	123	129	140	184	199	111	78	87	
4.2	3.6	2.2	2.4	2.1	2.2	2.3	3.0	3.1	1.7	1.2	1.3	
187	262	171	123	147	110	77	104	94	114	120	540	4
3.5	4.8	3.1	2.2	2.5	1.9	1.3	1.7	1.5	1.8	1.8	8.1	
8,825	8,779	7,395	6,165	5,143	5,033	4,951	4,780	4,776	4,828	4,444	4,636	4,5
163.4	160.0	132.6	108.5	88.5	84.7	81.6	77.2	75.5	74.8	67.6	69.1	6
1,317	1,318	1,103	970	779	769	722	801	699	680	696	690	6
24.4	24.0	19.8	17.1	13.4	12.9	11.9	12.9	11.1	10.5	10.6	10.3	
657	12,562	4,834	3,492	384	869	1,158	549	665	1,157	630	899	1,2
12.2	228.9	86.7	61.4	6.6	14.6	19.1	8.9	10.5	17.9	9.6	13.4	1
11,051	20,628	10,977	10,058	6,477	8,794	8,231	9,152	8,397	10,521	7,523	10,019	9,4
204.6	375.9	196.9	177.0	111.5	148.1	135.7	147.7	132.8	163.1	114.4	149.4	13
1,420	1,543	1,187	1,443	967	920	521	498	541	673	545	662	6
26.3	28.1	21.3	25.4	16.6	15.5	8.6	8.0	8.6	10.4	8.3	9.9	
4,867	4,931	5,147	5,317	5,573	5,945	6,287	6,557	6,784	7,033	7,455	7,725	7,8
90.1	89.8	92.3	93.5	95.9	100.1	103.6	105.8	107.3	109.0	113.3	115.2	11
1,153	1,011	955	1,075	1,120	1,448	1,360	1,177	1,313	1,485	1,461	1,663	1,7
21.4	18.4	17.1	18.9	19.3	24.4	22.4	19.0	20.8	23.0	22.2	24.8	2
668	584	690	792	824	883	887	946	1,022	1,022	1,018	1,043	1,0
12.4	10.6	12.4	13.9	14.2	14.9	14.6	15.3	16.2	15.8	15.5	15.6	1
6,727	5,269	5,007	4,833	4,105	4,450	4,367	3,705	3,912	4,360	3,182	3,433	3,1
124.6	96.0	89.8	85.0	70.6	74.9	72.0	59.8	61.9	67.6	48.4	51.2	4
14,818	15,660	14,077	15,195	15,696	17,350	18,453	19,616	19,453	20,463	20,178	22,152	23,2
274.4	285.3	252.5	267.3	270.1	292.1	304.1	316.6	307.7	317.2	306.7	330.3	34
794	1,042	811	718	886	501	597	763	847	978	818	667	5
14.7	19.0	14.5	12.6	15.2	8.4	9.8	12.3	13.4	15.2	12.4	9.9	
22,339	21,971	19,895	20,746	20,687	22,301	23,417	24,084	24,212	25,801	24,178	26,252	27,0
413.7	400.3	356.8	365.0	356.0	375.5	386.0	388.7	382.9	400.0	367.5	391.4	39
778	724	703	670	831	789	825	829	935	904	1,073	1,182	1,2
14.4	13.2	12.6	11.8	14.3	13.3	13.6	13.4	14.8	14.0	16.3	17.6	1
248	247	279	325	303	337	308	387	337	340	366	402	4
4.6	4.5	5.0	5.7	5.2	5.7	5.1	6.2	5.3	5.3	5.6	6.0	
**674	677	767	763	849	870	945	961	1,022	1,069	1,095	1,075	1,3
12.5	12.3	13.8	13.4	14.6	14.6	15.6	15.5	16.2	16.6	16.6	16.0	1
4,042	3,613	3,059	2,856	2,634	2,801	3,249	3,239	3,765	3,674	3,509	3,589	3,5
74.8	65.8	54.9	50.2	45.3	47.2	53.6	52.3	59.5	57.0	53.3	53.5	5
651	664	644	708	746	699	623	678	697	595	694	668	6
4.6	4.8	4.9	5.3	5.6	5.4	4.8	5.2	5.4	4.7	5.4	5.3	

Apoplexy. Numbers following disease names are numbers of International List. See 1929 Revision.
00,000 under fifteen years.

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1930	1931	1932	1933	1934	1935	1936	1937	1938	
21 6,954,712	7,033,193	7,099,304	7,160,434	7,226,164	7,294,894	7,363,624	7,434,346	7,491,790	Population
32 74,888	77,418	74,319	75,153	75,857	75,057	77,638	77,465	73,775	Deaths
34 1,077	1,101	1,047	1,050	1,050	1,029	1,054	1,042	984	Rate
36 9,224	8,968	7,409	7,422	6,726	6,282	5,689	5,618	4,891	Deaths—5
18 1,721	1,689	1,436	1,490	1,404	1,363	1,269	1,216	1,087	Rate
31 7,030	6,427	5,594	5,508	5,287	4,790	4,490	4,457	3,910	Infant Deaths
9 57	56	51	53	52	48	45.6	43.7	38.3	Rate
30 154	134	58	213	25	105	83	28	42	Measles
5 28.7	25.2	11.2	42.8	5.2	22.8	18.5	6.1	9.3	Rate (See Note)
57 125	214	145	128	106	148	48	49	105	Whooping Cough
10 23.3	40.3	28.1	25.7	22.1	32.1	10.7	10.6	23.3	Rate (See Note)
58 57	84	134	59	53	76	64	31	17	Scarlet Fever
10 3.4	5.0	7.9	3.5	3.1	4.5	3.8	1.9	1.1	Rate (See Note)
53 198	186	210	86	103	68	35	58	26	Diphtheria
4 11.7	11.0	12.4	5.1	6.1	4.0	2.1	3.6	1.6	Rate (See Note)
76 62	77	64	70	44	34	33	26	26	Typhoid Fever
1 .9	1.1	.9	1.0	.6	.5	0.4	0.3	0.3	Rate
36 267	207	114	73	73	243	226	101	53	Epidemic Meningitis
1 3.8	2.9	1.6	1.0	1.0	3.3	3.1	1.4	0.7	Rate
07 4,457	4,370	3,997	4,056	3,950	3,968	4,170	3,931	3,481	Pul. Tbc.
9 64.1	62.1	56.3	56.6	54.7	54.4	56.6	52.9	46.5	Rate
53 632	552	543	521	470	403	415	333	352	Other Tbc.
6 9.1	7.8	7.6	7.3	6.5	5.5	5.6	4.5	4.7	Rate
					62.3	57.4	51.2		
02 483	956	785	718	373	295	293	468	162	Influenza
6 6.9	13.6	11.1	10.0	5.2	4.0	4.0	6.3	2.2	Rate
56 8,058	9,245	7,827	7,686	6,755	6,385	6,549	6,504	4,737	Pneumonias
4 115.9	131.4	110.3	107.3	93.5	87.5	88.9	87.5	63.2	Rate
70 560	652	599	480	656	585	590	571	498	Other Respiratory
8 8.1	9.3	8.4	6.7	9.1	8.0	8.0	7.7	6.6	Rate
48 8,125	8,336	8,573	8,932	9,502	9,969	10,506	10,714	11,160	Cancer
8 116.8	118.5	120.8	124.7	131.5	136.7	142.7	144.1	149.0	Rate
26 1,784	1,921	2,116	2,141	2,266	2,255	2,571	2,669	2,650	Diabetes
3 25.7	27.3	29.8	29.9	31.4	30.9	34.9	35.9	35.4	Rate
71 1,111	1,157	1,065	1,149	1,006	920	1,049	935	825	Appendicitis
7 16.0	16.5	15.0	16.0	13.9	12.6	14.2	12.6	11.0	Rate
77 2,905	2,806	2,972	3,638	4,484	4,141	4,041	3,847	3,589	Bright's & Nephritis
5 41.8	39.9	41.9	50.8	62.1	56.8	54.9	51.7	47.9	Rate
83 22,999	23,487	23,524	23,541	25,696	22,282	24,093	24,756	25,227	Circulatory Sys.
7 330.7	333.9	331.4	328.8	355.6	305.4	327.2	333.0	336.7	Rate
56 588	682	544	749	602	3,233	3,130	3,025	2,746	Apoplexy
3 8.5	9.7	7.7	10.5	8.3	44.3	42.5	40.7	36.7	Rate
26 26,492	26,975	27,040	27,928	30,782	29,656	31,264	31,628	31,562	Total Degenerative
4 380.9	383.5	380.9	390.0	426.0	406.5	424.6	425.4	421.3	Rate
55 1,403	1,500	1,595	1,343	1,239	1,170	1,116	1.140	1,246	Suicides
4 20.2	21.3	22.5	18.8	17.1	16.0	15.2	15.3	16.6	Rate
25 494	586	580	541	458	447	380	373	309	Homicides
5.2 7.1	8.3	8.2	7.6	6.3	6.1	5.2	5.0	4.1	Rate
44 1,290	1,298	1,179	1,137	1,145	1,078	932	983	908	Automobile Accid.
7 18.5	18.5	16.6	15.9	15.8	14.8	12.7	13.2	12.1	Rate
18 3,578	3,336	3,091	3,101	3,316	3,179	3,296	3,203	2,924	Other Accidents
5 51.4	47.4	43.5	43.3	45.9	43.6	44.8	43.1	39.0	Rate
29 667	698	663	665	492	523	459	408	357	Puerperal diseases
1 5.4	6.0	6.0	6.4	4.9	5.2	4.7	4.0	3.5	Rate

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